

## AMENDMENTS

Please amend the claims as follows:

Please amend claims 14 and 15 as follows and add new claims 16-18, as shown. Claims 1-13 have previously been canceled and are no longer pending.

### In the Claims

1. - 13. (canceled)

1 14. (currently amended) An electromagnetic field communications system,  
2 suitable for use with computer networking, cellular telephone, radio, television and  
3 the like, comprising:

4  
5 a structure including an electrically conductive grid array having a grid  
6 opening size; and

7 means for generating a quasi-static non-propagating electromagnetic field  
8 within said structure by feeding a frequency signal into said electrically  
9 conductive grid array;

10 wherein the frequency of said frequency signal is selected such that the  
11 dimension of said grid opening size is small relative to the wavelength of said  
12 frequency signal.

1 15. (currently amended) The electromagnetic field communications system of  
2 claim 14, wherein

3  
4 the frequency of said frequency signal is selected such that the  
5 wavelength is greater than twice the dimension of said grid opening size.

1 16. (new) The electromagnetic field communications system of claim 14 wherein  
2 said frequency signal is in the range of 3 to 400 Megahertz.

1 17. (new) An electromagnetic field system, comprising:  
2

3 a structure including an electrically conducting grid array having a grid  
4 opening size;

5  
6 an electromagnetic field generator for generating an quasi-static  
7 electromagnetic field within said structure by feeding a frequency signal in the  
8 range of 3 to 400 Megahertz into said electrically conductive grid array; and  
9

10 wherein said grid opening size is small relative to the wavelength of said  
11 frequency signal.

1 18. (new) The electromagnetic field system of claim 17 wherein:  
2

3 the dimension of said grid opening size is less than one half the wavelength  
4 of said frequency signal.